

Patent Abstracts of Japan

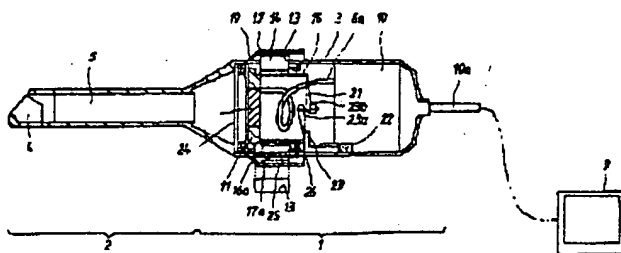
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PATENTEE : YOSHIDA DENTAL MFG CO LTD
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TITLE : DENTAL CCD CAMERA



ABSTRACT : PROBLEM TO BE SOLVED: To project an image taken within the oral cavity onto a TV monitor while rotating the direction of the image and to enable reproduction of the image by detecting the angle by which it was rotated.
SOLUTION: A dental CCD camera main body 1 and a side-view lens part 2 are integrated together, and an outer periphery rotating ring 17 is manually rotated so that an inner periphery rotating ring 16 is rotated by a gear 17a formed on the inner periphery of the outer periphery rotating ring 17, a needle gear 14 that meshes with the gear 17a, and a gear 16a formed on the outer periphery of the inner periphery rotating ring 16 which meshes the needle gear 14. Therefore, a CCD element locking plate 11 formed integrally with the inner periphery rotating ring 16 is rotated to rotate a CCD element 6 locked on the CCD element locking plate 11. Further, the angle of rotation is detected by means of an angle graduation 19 indicated on the open end of the outer periphery rotating ring 17.